

JC839 U.S. PTO  
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06-25-01

PTO/SB/05 (11-00)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	SPO-115C1
First Inventor	Atsunori Fukuda
Title	Sodium/Proton Antiporter Gene
Express Mail Label No.	ET324078405US

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11000 U.S. PTO  
06/22/01

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 31]  
*(preferred arrangement set forth below)*
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings *(if filed)*
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 6 ]

5. Oath or Declaration [ Total Pages 2 ]

- a.  Newly executed (original or copy)  
b.  Copy from a prior application (37 CFR 1.63 (d))  
*(for continuation/divisional with Box 18 completed)*

i.  **DELETION OF INVENTOR(S)**

Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, all necessary)*
- a.  Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
  - i.  CD-ROM or CD-R (2 copies); or
  - ii.  paper
- c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of Attorney  
*(when there is an assignee)*
11.  English Translation Document *(if applicable)*
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*
15.  Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*
16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Also claims benefit to JP 10/365,604
17.  Other: filed December 22, 1998

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation     Divisional     Continuation-in-part (CIP)

of prior application No.: PCT/JP99/0722

Prior application information: Examiner \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	23,557		<input type="checkbox"/> Correspondence address below
(Insert Customer No. or Attach bar code label here)			
Name			
Address			
City	State	Zip Code	Fax
Country	Telephone		

Name (Print/Type)	David R. Saliwanchik	Registration No. (Attorney/Agent)	31,794
Signature	<i>David R. Saliwanchik</i>		Date June 22, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

## FEE TRANSMITTAL FORM

Assistant Commissioner for Patents  
 Box Patent Application  
 Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Atsunori Fukuda, Yoshiyuki Tanaka

Entitled: Sodium/Proton Antiporter Gene

- A Utility Patent Application Transmittal Form accompanies this Fee Transmittal Form.
- The filing fee is calculated below:

## CLAIMS AS FILED

	Number filed	Number Extra	Rate	Fee
Basic Fee				\$ 710.00
Total Claims	28 - 20 =	8	x \$18	144.00
Independent Claims	19 - 3 =	16	x \$80	1280.00
Presentation of Multiple Dependent Claim(s) (\$165)				
			Total Filing Fee	\$ 2134.00

- Please charge \$2,134.00 to Deposit Account No. 19-0065. A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge any additional filing fees which may be required, or credit any overpayment, to Deposit Account No. 19-0065. A duplicate copy of this sheet is enclosed.
- This application is being mailed by Express Mail under 37 CFR 1.10 and the required certificate appears below.

May 25, 2001  
 Date

*David Salivanchik*  
 Attorney of Record

## CERTIFICATE OF MAILING BY EXPRESS MAIL (37 CFR 1.10)

Express Mail # ET 324078405 US Date of Deposit: June 22, 2001  
 I hereby certify that the above application was mailed through the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Amy Nguyen  
 Name of person mailing paper

*Amy Nguyen*  
 Signature